

SEQUENCE LISTING

<110> Edens, Luppo
Lopez, Michel

<120> Improved method for the prevention or reduction of haze in
beverages

<130> 246152024400

<140> US 10/517,220

<141> 2003-05-14

<150> PCT/NL03/00352

<151> 2003-05-14

<150> NL 02100681.2

<151> 2002-06-07

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<170> PatentIn Ver. 2.1

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<210> 7

<211> 516

<212> PRT

<213> Aspergillus niger

<400> 7

Met	Arg	Ser	Phe	Ser	Val	Val	Ala	Ala	Ala	Ser	Leu	Ala	Leu	Ser	Trp
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Ala	Ser	Leu	Ala	Gln	Ala	Ala	Arg	Pro	Arg	Leu	Val	Pro	Lys	Pro	Ile
			20					25					30		
Ser	Arg	Pro	Ala	Ser	Ser	Lys	Ser	Ala	Ala	Thr	Thr	Gly	Glu	Ala	Tyr
			35				40					45			
Phe	Glu	Gln	Leu	Leu	Asp	His	His	Asn	Pro	Glu	Lys	Gly	Thr	Phe	Ser
			50			55				60					
Gln	Arg	Tyr	Trp	Trp	Ser	Thr	Glu	Tyr	Trp	Gly	Gly	Pro	Gly	Ser	Pro
65					70				75					80	
Val	Val	Leu	Phe	Asn	Pro	Gly	Glu	Val	Ser	Ala	Asp	Gly	Tyr	Glu	Gly
			85					90						95	
Tyr	Leu	Thr	Asn	Asp	Thr	Leu	Thr	Gly	Val	Tyr	Ala	Gln	Glu	Ile	Gln
			100					105					110		
Gly	Ala	Val	Ile	Leu	Ile	Glu	His	Arg	Tyr	Trp	Gly	Asp	Ser	Ser	Pro
			115				120					125			
Tyr	Glu	Val	Leu	Asn	Ala	Glu	Thr	Leu	Gln	Tyr	Leu	Thr	Leu	Asp	Gln

130		135		140
Ser Ile Leu Asp Met Thr Tyr Phe Ala Glu Thr Val Lys Leu Gln Phe				
145		150		155
Asp Asn Ser Ser Arg Ser Asn Ala Gln Asn Ala Pro Trp Val Met Val				160
	165		170	175
Gly Gly Ser Tyr Ser Gly Ala Leu Thr Ala Trp Thr Glu Ser Ile Ala				
	180		185	190
Pro Gly Thr Phe Trp Ala Tyr His Ala Thr Ser Ala Pro Val Glu Ala				
	195		200	205
Ile Tyr Asp Phe Gln Gly Met Ala Gln Asn Cys Ser Lys Asp Val Ser				
	210		215	220
Leu Val Ala Glu Tyr Val Asp Lys Ile Gly Lys Asn Gly Thr Ala Lys				
	225		230	235
Glu Gln Gln Glu Leu Lys Glu Leu Phe Gly Leu Gly Ala Val Glu His				
	245		250	255
Tyr Asp Asp Phe Ala Ala Val Leu Pro Asn Gly Pro Tyr Leu Trp Gln				
	260		265	270
Asp Asn Asp Phe Val Thr Gly Tyr Ser Ser Phe Phe Gln Phe Cys Asp				
	275		280	285
Ala Val Glu Gly Val Glu Ala Gly Ala Ala Val Thr Pro Gly Pro Glu				
	290		295	300
Gly Val Gly Leu Glu Lys Ala Leu Ala Asn Tyr Ala Asn Trp Phe Asn				
	305		310	315
Ser Thr Ile Leu Pro Asn Tyr Cys Ala Ser Tyr Gly Tyr Trp Thr Asp				
	325		330	335
Glu Trp Ser Val Ala Cys Phe Asp Ser Tyr Asn Ala Ser Ser Pro Ile				
	340		345	350
Phe Thr Asp Thr Ser Val Gly Asn Pro Val Asp Arg Gln Trp Glu Trp				
	355		360	365
Phe Leu Cys Asn Glu Pro Phe Phe Trp Trp Gln Asp Gly Ala Pro Glu				
	370		375	380
Gly Thr Ser Thr Ile Val Pro Arg Leu Val Ser Ala Ser Tyr Trp Gln				
	385		390	395
Arg Gln Cys Pro Leu Tyr Phe Pro Glu Val Asn Gly Tyr Thr Tyr Gly				
	405		410	415
Ser Ala Lys Gly Lys Asn Ser Ala Thr Val Asn Ser Trp Thr Gly Gly				
	420		425	430
Trp Asp Met Thr Arg Asn Thr Thr Arg Leu Ile Trp Thr Asn Gly Gln				
	435		440	445
Tyr Asp Pro Trp Arg Asp Ser Gly Val Ser Ser Thr Phe Arg Pro Gly				
	450		455	460
Gly Pro Leu Val Ser Thr Ala Asn Glu Pro Val Gln Ile Ile Pro Gly				
	465		470	475
Gly Phe His Cys Ser Asp Leu Tyr Met Glu Asp Tyr Tyr Ala Asn Glu				
	485		490	495
Gly Val Arg Lys Val Val Asp Asn Glu Val Lys Gln Ile Lys Glu Tyr				
	500		505	510
Gly Tyr Gly Cys				
515				